

Product sheet

HROC364 | 300855

IDENTIFICATION

Description	Cell line derived from a 77-year-old male patient with a primary tumor of the colon (PD Dr. Michael Linnebacher) [REDACTED]
Organism	Human
Tissue	Colon
Disease	Colorectal adenocarcinoma, TNM T3N0M0R0L0V0, G2, Lk(n) +0, Σ Lk(n) 22

CHARACTERISTICS

Age	77 years
Gender	Male
Ethnicity	German
Morphology	Epithelial
Growth properties	Adherent

REFERENCES

Citation	HROC364 (Cytion 300855)
Biosafety level	1
NCBI_TaxID	9606
CellosaurusAccession	CVCL_AP62

GENETIC ANALYSIS

Tumorigenic	Yes, in nude mice
Viruses	SV40, JC/BK, HBV, HCV, HIV.
MSI-status	MSS

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Thawing and Culturing Cells

1. Thaw the vial quickly in a 37°C water bath. Transfer the cells to a pre-warmed T25 flask containing 10 ml of complete DMEM medium.
2. Incubate the cells in a humidified 5% CO₂ incubator at 37°C. The cells should reach 70-80% confluency within 2-3 days.
3. Once cells reach 70-80% confluency, passage them into a new T25 flask with fresh complete DMEM medium.
4. For long-term storage, seed cells into a T75 flask with 300 ml of complete DMEM medium. Once cells reach 70-80% confluency, harvest the cells by trypsinization.
5. Resuspend the cells in 10 ml of complete DMEM medium and seed them into a T25 flask with 10 ml of fresh complete DMEM medium.
6. For long-term storage, seed cells into a T75 flask with 300 ml of complete DMEM medium. Once cells reach 70-80% confluency, harvest the cells by trypsinization.
7. Resuspend the cells in 10 ml of complete DMEM medium and seed them into a T25 flask with 10 ml of fresh complete DMEM medium.
8. For long-term storage, seed cells into a T75 flask with 300 ml of complete DMEM medium. Once cells reach 70-80% confluency, harvest the cells by trypsinization.

Incubation Atmosphere 37°C, 5% CO₂, humidified

Flask Coating None

Freezing Procedure Harvest cells by trypsinization and resuspend in 1 ml of freezing medium. Seed into a cryovial and store at -80°C.

Shipping Conditions Cells can be shipped at room temperature for up to 24 hours.

Storage Conditions Cells can be stored at room temperature for up to 196 days.

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Sterility Cells are tested for mycoplasma contamination using PCR. Cells are free of mycoplasma contamination.